

# Hash Tables in Java

- Java collections framework contains several generic data structures based on hash tables
- HashSet
  - A hash table implementing a set of unique elements
  - Each element  $k$  is stored in bucket  $h(k)$
- HashMap
  - A hash table implementing a map from keys to values
  - For a pair ( $key \rightarrow value$ ), the  $value$  is stored in bucket  $h(key)$